

ABSTRACT OF THE DISCLOSURE

ELECTRONIC SOAP DISPENSER

A liquid soap dispenser includes a housing, a shank that engages a base of the housing, a soap path retainer disposed in the interior of the housing, a shank adapter disposed in the shank, and an infrared sensor to sense the presence of a user. A generally continuous passageway is defined through the shank adapter and the soap path retainer such that an elongated soap delivery tube of a liquid soap reservoir may be inserted through the passageway from the bottom of the soap dispenser to the spout end. The reservoir may be attached to the bottom end of the shank adapter. The soap path retainer is preferably formed of complementary halves, such as by plastic injection molding, that mate together to provide a curved passageway from near the base of the housing to the soap dispensing end and to support the sensor assembly.